Today's Ethernet

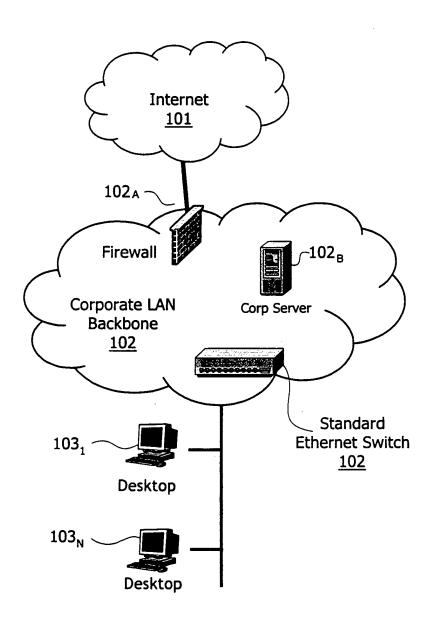


FIG. 1

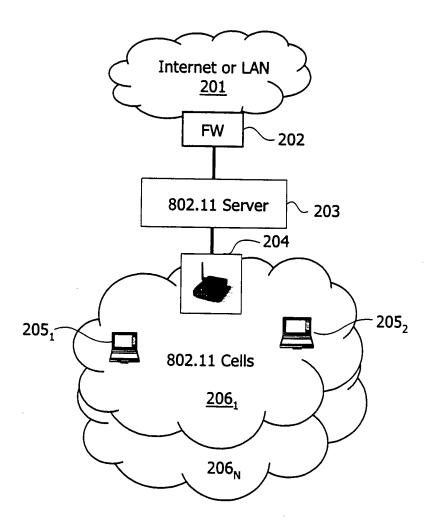
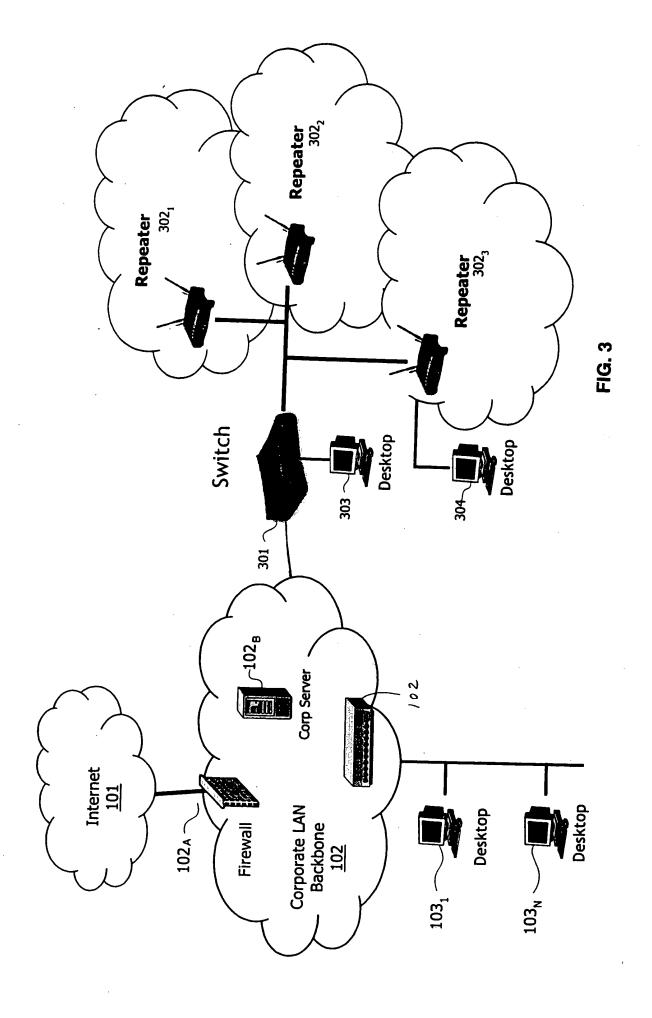


FIG. 2



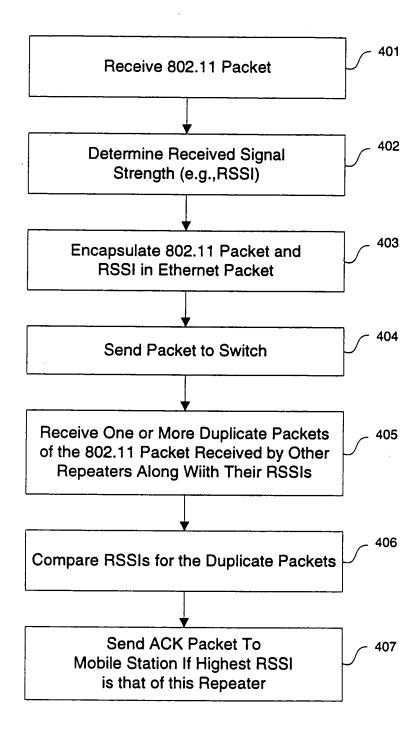


FIG. 4A

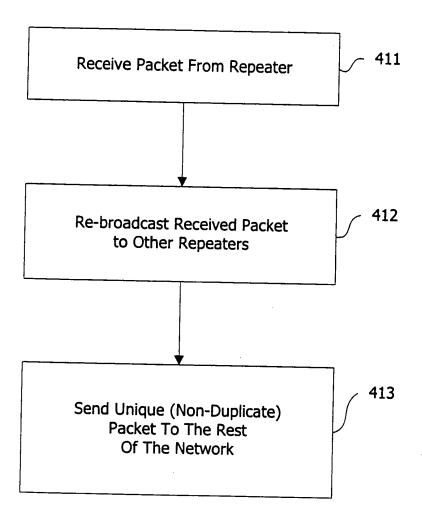


FIG. 4B

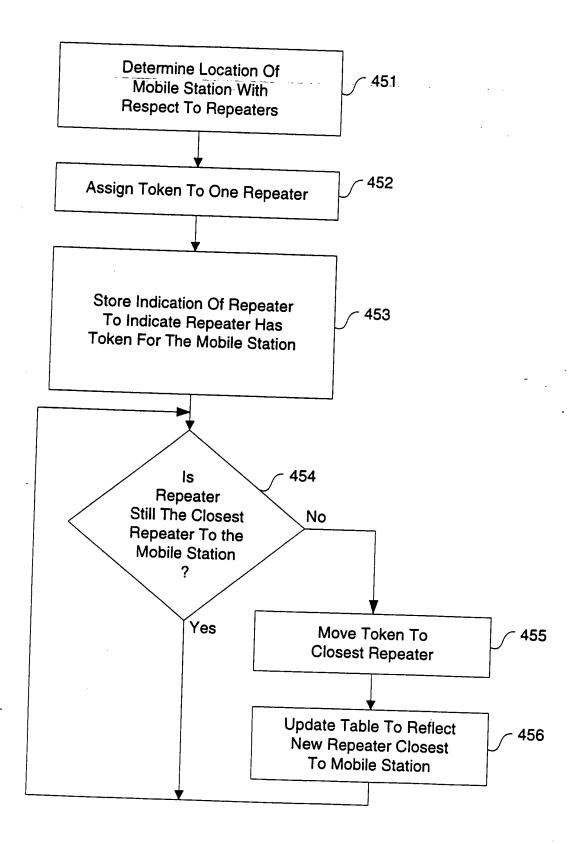


FIG. 4C

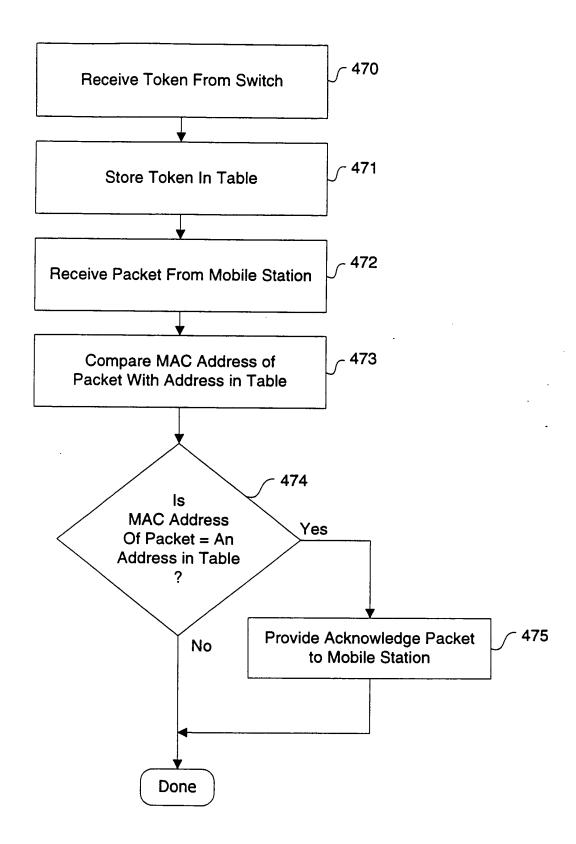


FIG. 4D

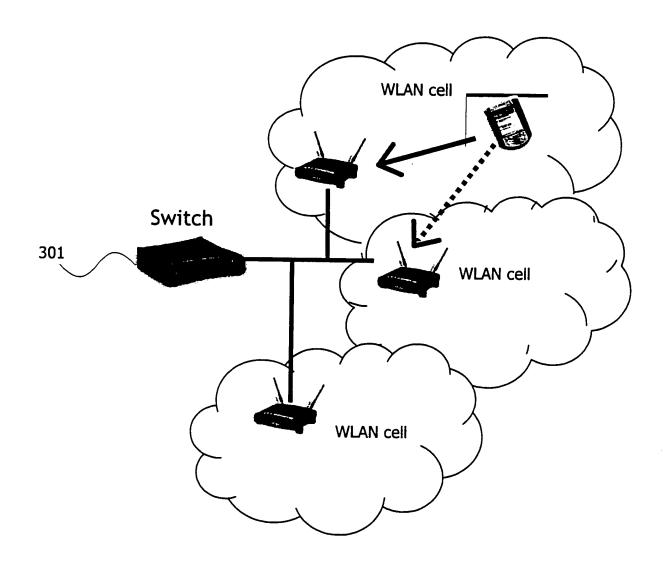


FIG. 5A

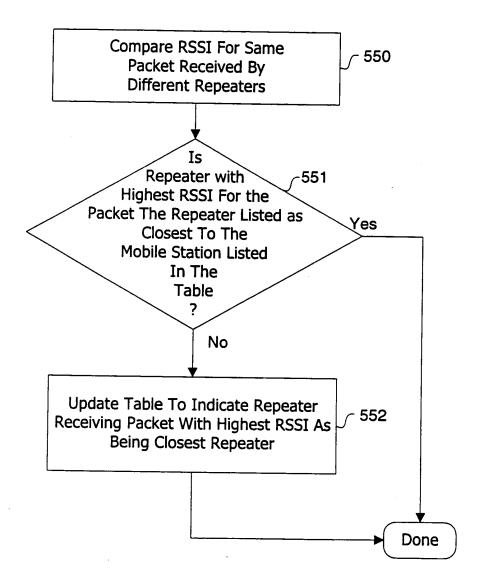


FIG. 5B

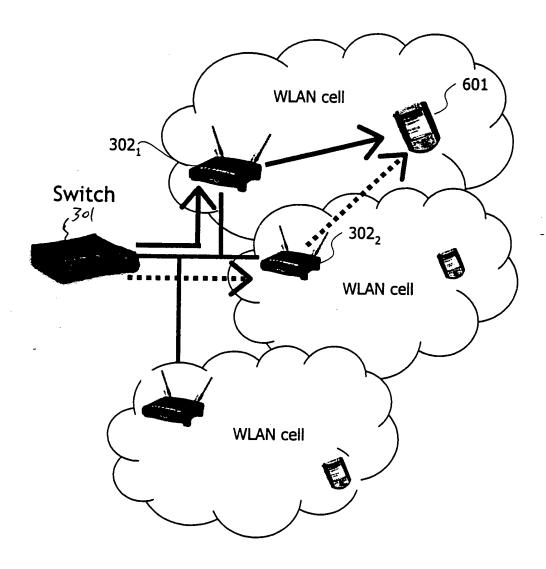


FIG. 6

FIG. 7

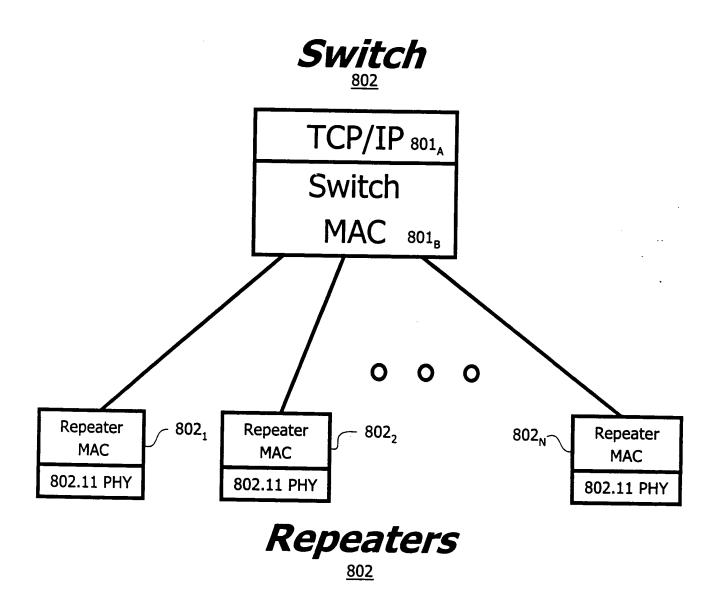


FIG. 8

Switch &

ation 9006	Packet De-duplication	<u> </u>
802	DCF 905	
	Fragmentation 2004	
SNMP	Location tracking 903	
	802.1x, RADIUS, VP ₉₀₂	
	Session mgmt 901	

FIG. 9A

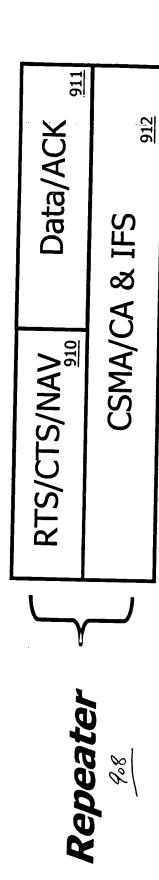


FIG. 9B

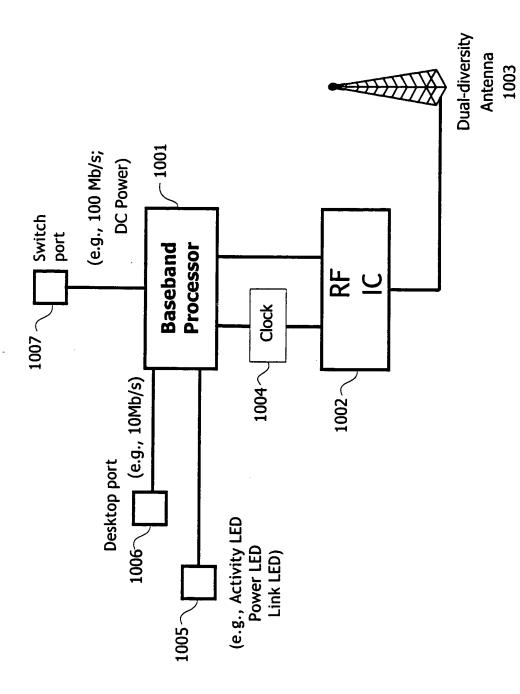


FIG. 10

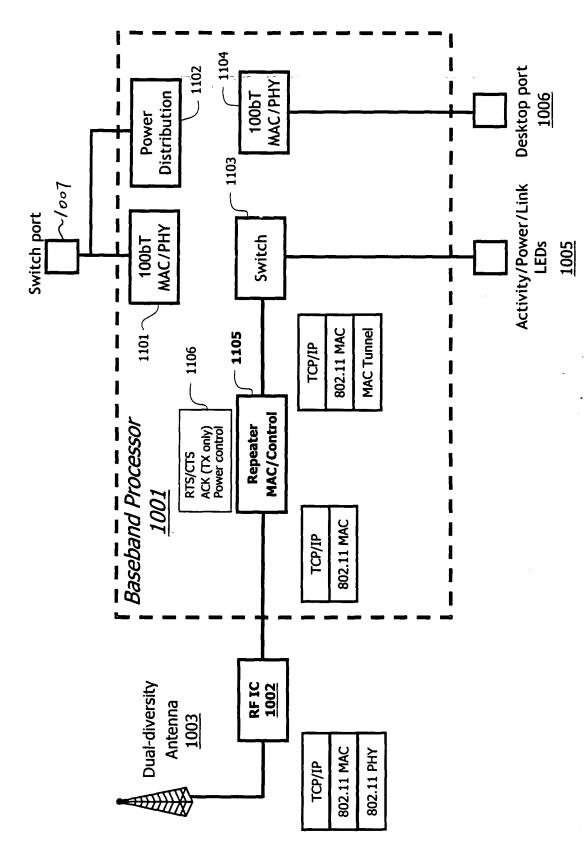


FIG. 11

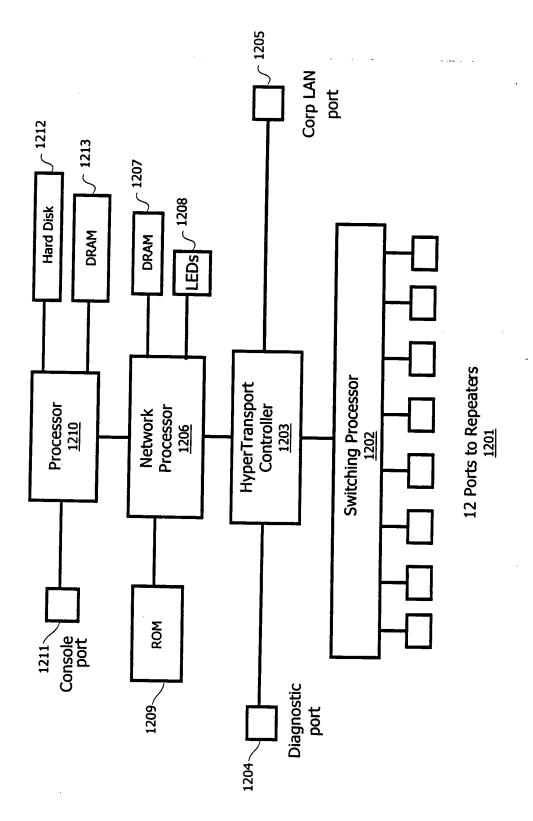


FIG. 12 A

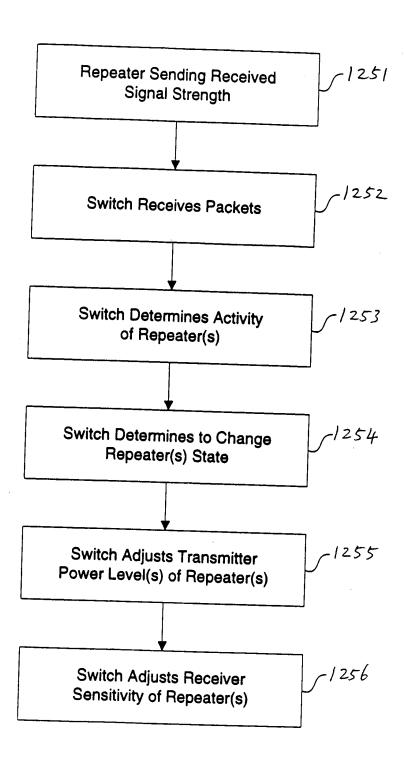


Fig. 12B

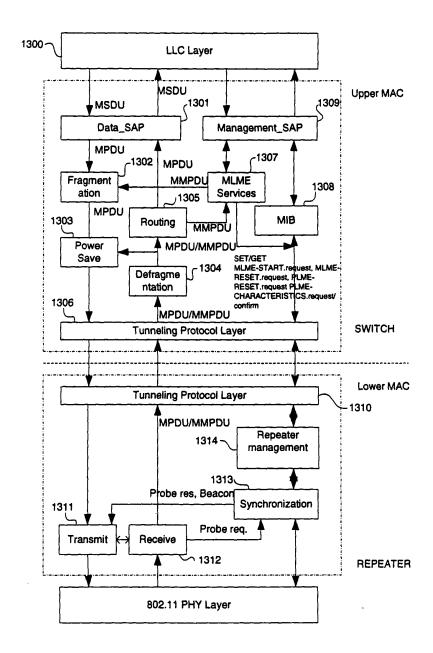
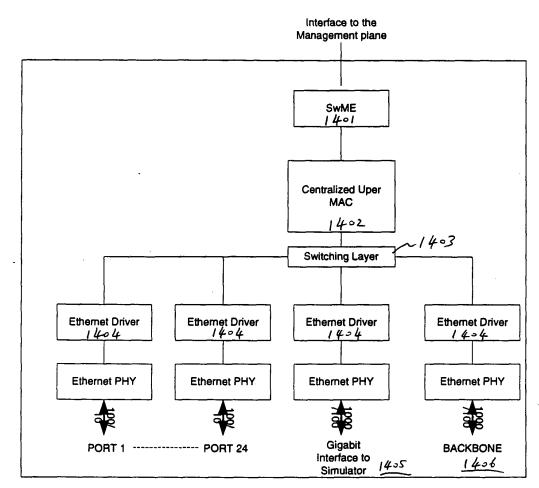


FIG. 13



SWITCHING PLANE 1400

FIG. 14

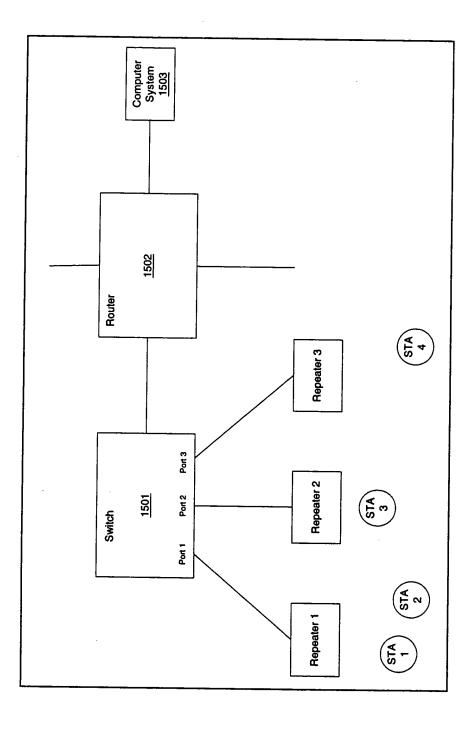


FIG. 15

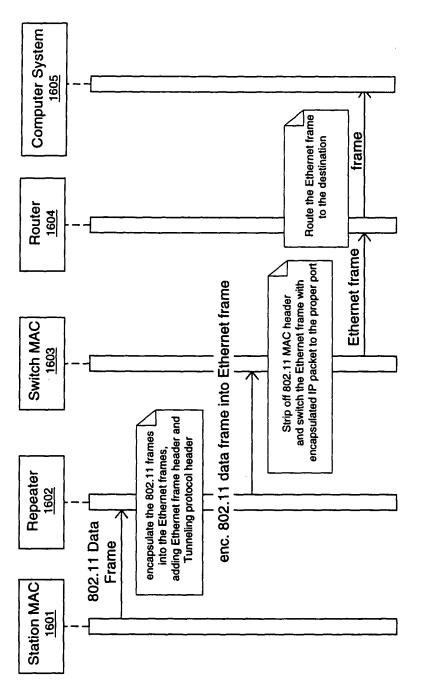


FIG. 16

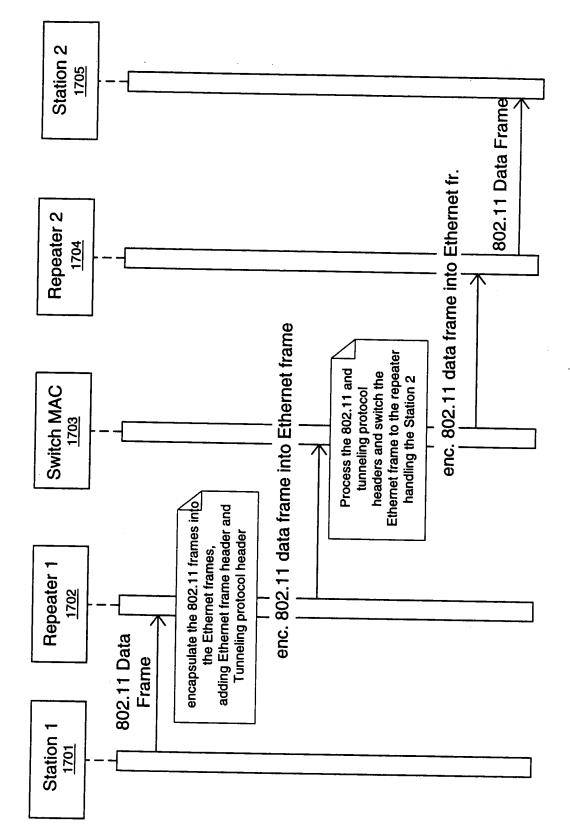


FIG. 17

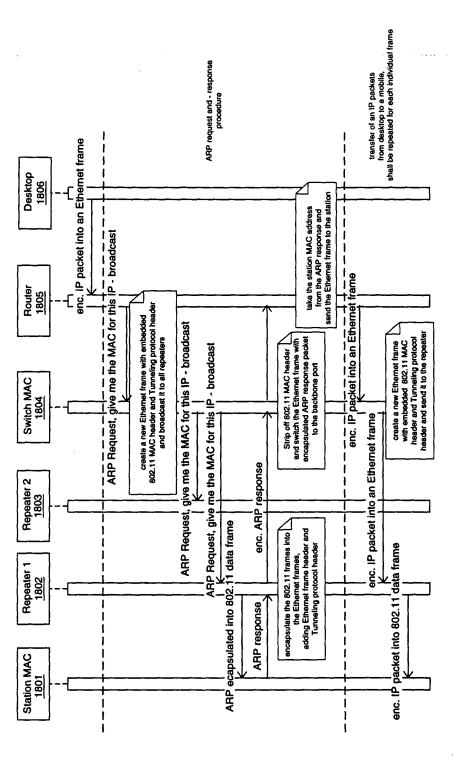


FIG. 18

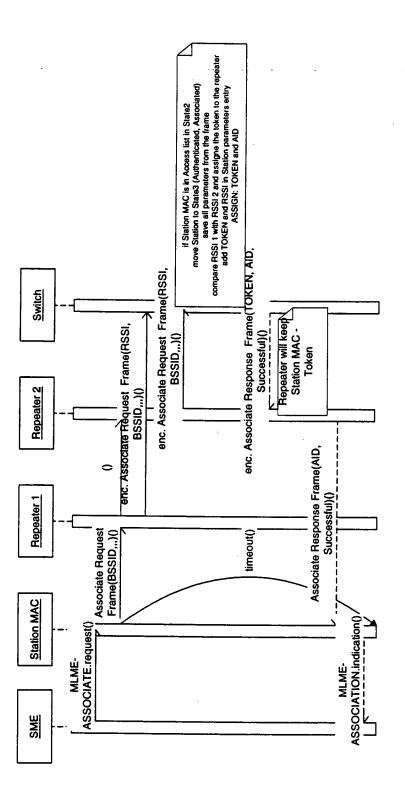


FIG. 15

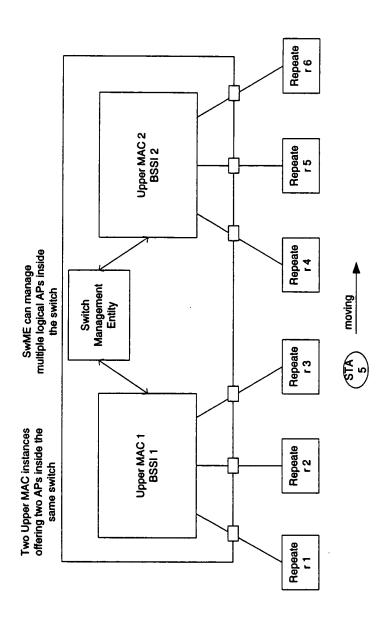


FIG. 20

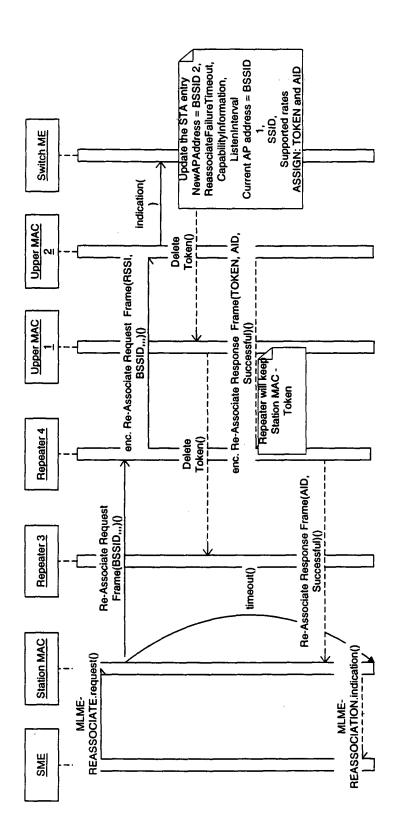


FIG. 2

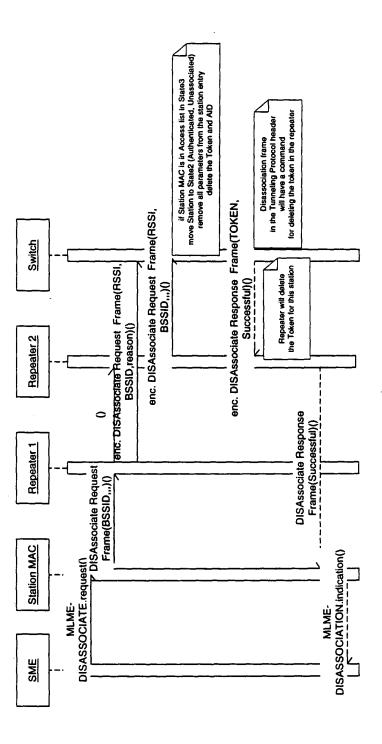


FIG. 22

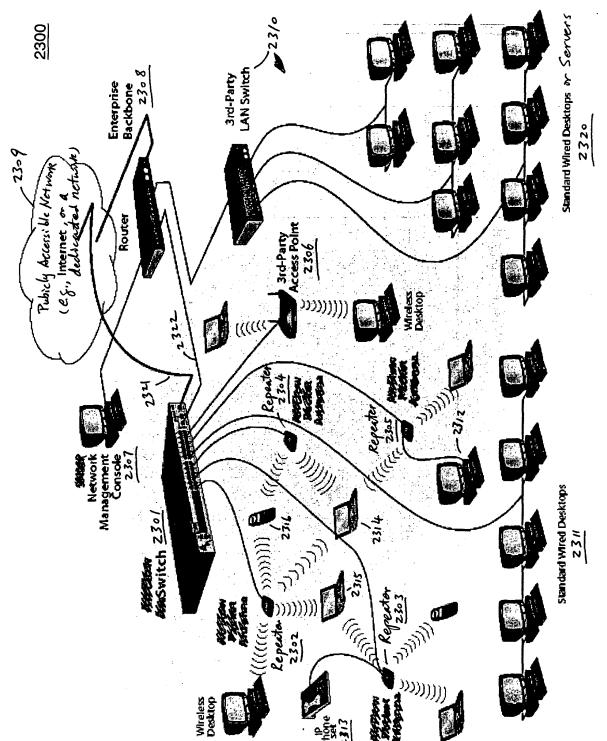


Fig. 23

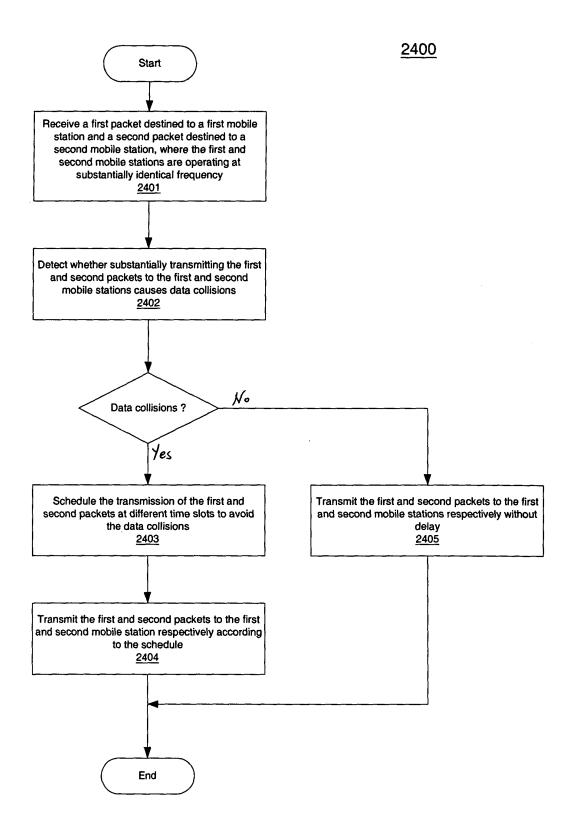


Fig. 24A

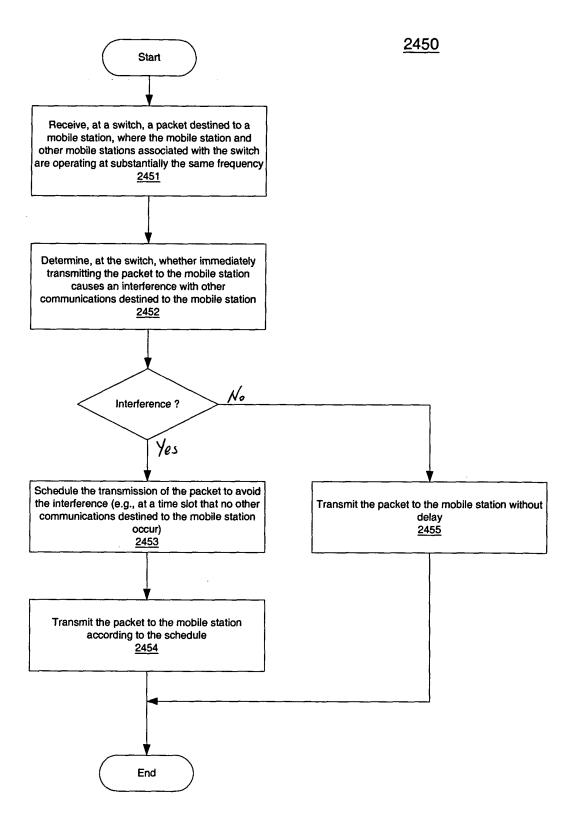
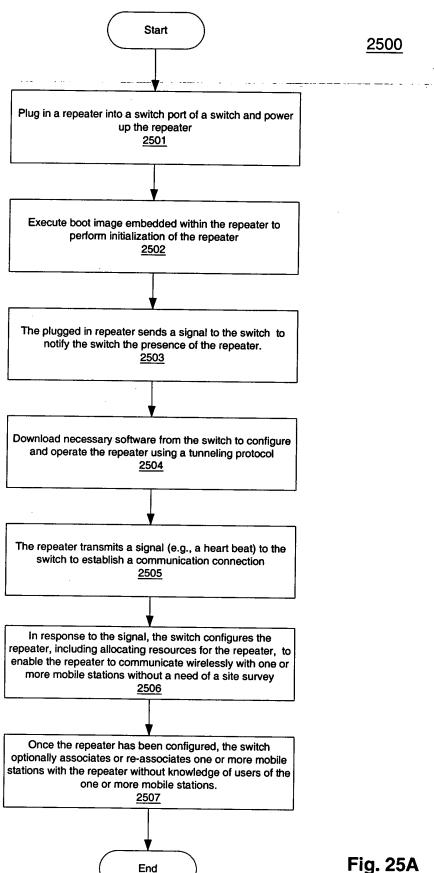


Fig. 24B



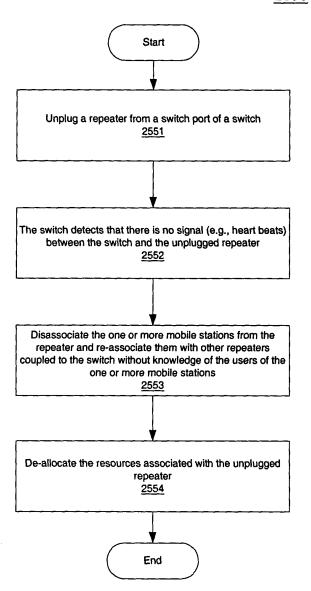
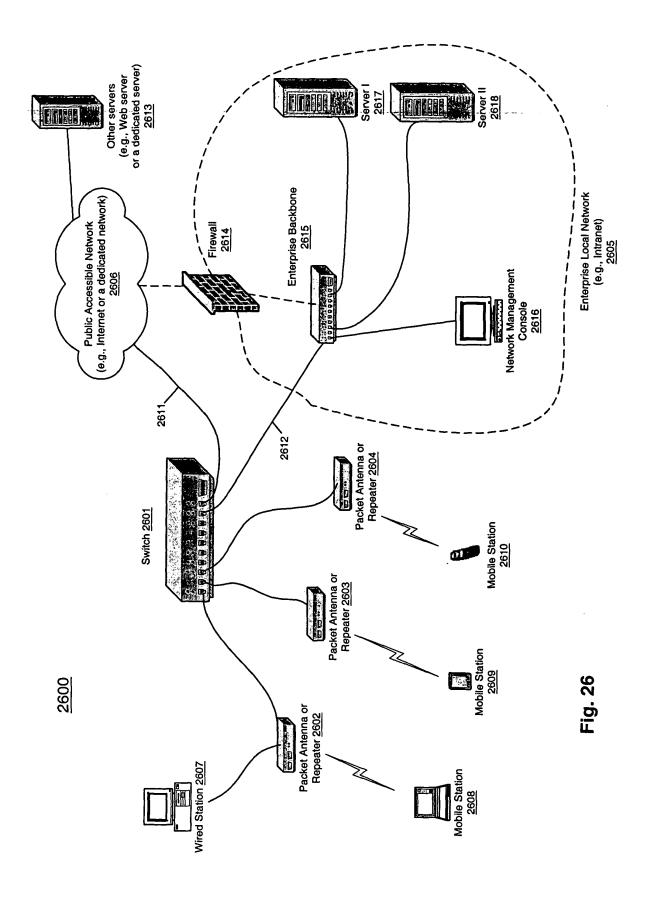


Fig. 25B



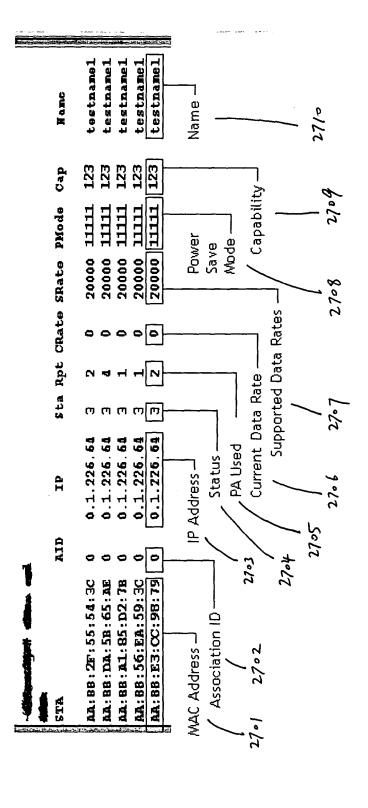


Fig. 27

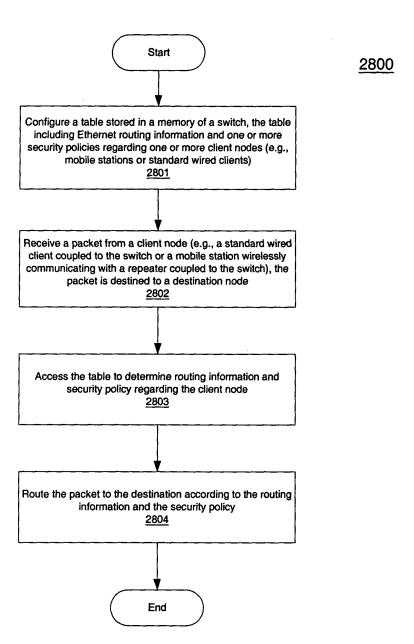


Fig. 28

Start Configure a table stored in a memory of a switch, the table including Ethernet routing information and one or more security policies regarding one or more client nodes (e.g., mobile stations or standard wired clients) 2901 Receive a packet from a client node (e.g., a standard wired client coupled to the switch or a mobile station wirelessly communicating with a repeater coupled to the switch), the packet is destined to a destination node Access the table to determine routing information and security policy regarding the client node to determine whether the client node is eligible to access the destination node internally (e.g., within an enterprise backbone) 2903 Route the packet to the destination node via a first interface of the switch without requiring further security processes (e.g., direct access to an enterprise backbone), if the client node is eligible to access the destination node internally 2904 Route the packet to the destination node via a second interface of the switch which requires further security processes (e.g., via a publicly accessible network, such as Internet or a dedicated network), if the client node is ineligible to access the destination node internally 2905

2900

Fig. 29

End

